Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Tuesday 12 Dec 2023 until 23:59 on Wednesday 13 Dec 2023

Forecast Issued on Tuesday 12 Dec 2023 at 02:39

Confidence: Generally high confidence for overall themes, but low for shower detail Tuesday afternoon.

Headline for Tuesday 12 Dec 2023: Cloudy with outbreaks of showery rain.

Mountain weather hazards on Tuesday 12 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** High Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG	FOG			
Fog	Fog	Fog	Heavy Rain	Heavy Rain	Drizzle
Precipitation probability					
40%	20%	30%	40%	40%	40%

Forecast for Tuesday 12 Dec 2023

Weather: A band of rain will moves eastward across the park during the early hours of Tuesday morning, introducing a period of heavy rain and low cloud across the area. Low cloud persisting throughout the day but becoming largely dry for a time during the morning, before showery rain moves across the area from midday. There is a risk during the afternoon that these showers could become slow-moving and heavy, with the risk of hail and thunder, although confidence is low on this detail.

Chance of cloud-free hill tops above 600m: 20% throughout

Low cloud and visibility: Low cloud shrouding all hills throughout the day, potentially reaching down to lower levels at times. Visibility therefore expected to be poor or very poor in cloudy and wet conditions.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Tuesday 12 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/18 S	13/18 SE	10/14 SE	8/11 E	10/13 NE	13/17 NE	14/20 NE
300	12/17 SE	11/18 SE	7/13 SE	6/9 E	7/11 NE	10/14 NE	8/14 N
Valley	5/13 E	6/13 SE	5/10 SE	6/11 E	6/13 NE	7/15 NE	7/15 N

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/2	6/3	6/3	5/2	4/1	4/-0	4/-1
300	7/4	8/4	8/6	7/5	6/4	6/3	6/3
Valley	6/5	7/6	8/7	8/6	6/4	6/4	6/4
Freezing Level*	1400m	1500m	1400m	1400m	1400m	1300m	1200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A murky day on the hills with low cloud and poor visibilities likely. Feeling cold with waterproofs required due to outbreaks of showery rain, which could feel fairly persistent at times in the afternoon.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 12 Dec 2023	10.8mm	26.6mm	60.2mm

Forecast for Wednesday 13 Dec 2023

Weather: An unpleasant start on Wednesday with cloudy, windy conditions and outbreaks of rain. Cloud moving away late morning however with bright spells developing and becoming dry, winds then easing through the afternoon. Feeling cold in brisk northerly winds. Temperatures falling quickly into the evening with widespread frost developing.

Maximum wind: Northerly 25mph with gusts of 40mph, easing during the afternoon to 15mph with gusts of 25mph.

Chance of cloud-free hill tops above 600m: 10% at first, increasing to 90% by midday

Low cloud and visibility: Cloud at around 200-400m first thing, slowly lifting and breaking through the morning. Visibilities poor or very poor at first, quickly becoming good and very good at times during the afternoon.

Temperature: **Valleys:** Plus 5 Celsius, falling to 1 Celsius in the evening.
At 600m: Plus 2 Celsius, falling to 0 Celsius in the evening
Freezing level: Above all summits, falling to 600m in the evening

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